5341589

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 May 2004 (21.05.2004)

PCT

(10) International Publication Number
WO 2004/041737 A1

(51) International Patent Classification[7]: C03B 37/018

(21) International Application Number:
PCT/KR2003/001069

(22) International Filing Date: 30 May 2003 (30.05.2003)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2002-0068943
7 November 2002 (07.11.2002) KR
10-2003-0030247 13 May 2003 (13.05.2003) KR

(71) Applicant *(for all designated States except US)*: **LG CABLE LTD.** [KR/KR]; 19-20F ASEM Tower, 159, Samsung-dong, Gangnam-gu, Seoul 135-721 (KR).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **HONG, Choon-Keun** [KR/KR]; #707 Mirabo APT., 345-4 Namgajwa 2-dong, Seodaemun-gu, 120-122 Seoul (KR). **KANG, Byung-Yoon** [KR/KR]; 647-404 Saejong APT., Gwangjeong-dong, Gunpo-si, 435-705 Gyeonggi-do (KR). **LEE, Dong-Wook** [KR/KR]; #301 Keumyong, 749-1 Dang-dong, Gunpo-si, 435-010 Gyeonggi-do (KR). **KANG, Byung-Chul** [KR/KR]; 105-203 Yousung APT., Geomdan-dong, Buk-gu, 702-752 Daegu (KR).

(74) Agents: **LEE, Sang-Yong** et al.; 4F., Byukcheon Bldg., 1597-5, Seocho-dong, Seocho-gu, Seoul 137-876 (KR).

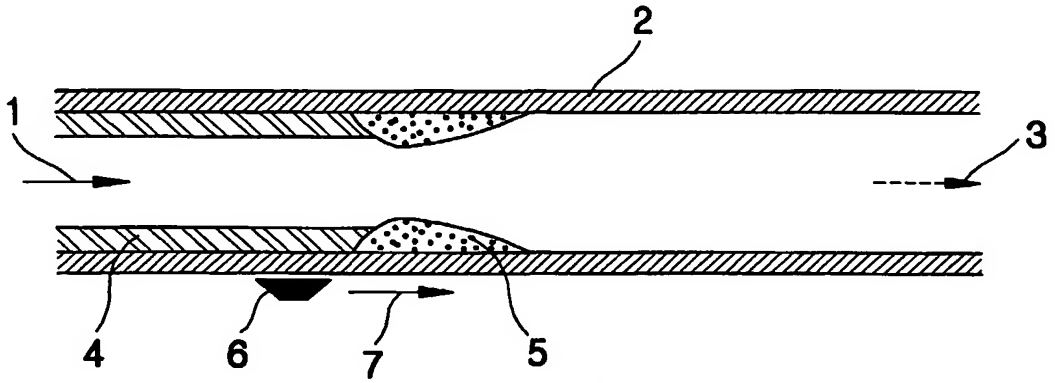
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR MANUFACTURING AN OPTICAL FIBER PREFORM BY MCVD



(57) Abstract: Disclosed is a method for manufacturing an optical fiber preform in MCVD, which simultaneously performs an etching process for injecting a reaction gas for etching into a tube and a collapsing process for heating and collapsing the tube in order to minimize or eliminate an index dip existing at the center of the preform core. By using this method, the index dip phenomenon of the optical fiber preform can be minimized or eliminated, so it is possible to make an optical fiber having improved optical characteristics, particularly having improvement in a bandwidth and a polarization mode dispersion (PMD).

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